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DEPARTMENT OF THE NAVY
HEADQUARTERS UNITED STATES MARINE CORPS
WASHINGTON, D.C. 20380

IN REPLY REFER TO
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INTM:JFB:cvf
25 Feb 1986

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From: Director of Intelligence
To: Assistant Secretary of Defense for Command, Control,
Communications and Intelligence

Subj: SECURITY IMPLICATIONS OF COMPUTER AND AUTOMATED OFFICE
EQUIPMENT

Ref: (a) ASD C³I memo of 27 Jan 86

Encl: (1) Implications of Expanded Use of Computer and Automated
Office Equipment Processing Intelligence Information

1. (U) The enclosure is provided as directed by the reference.

A handwritten signature in dark ink, appearing to read "R.J. Ulises", is written over the typed name.

RJ ULSES
By direction

Classified by: DIRINT
Declassify on: OADR

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Implications of Expanded Use of
Computers and Automated Office Equipment
Processing Intelligence Information

COMPONENT: USMC

DATE: 860224

I. (U) BACKGROUND INFORMATION AND SCOPE OF THE AREA OF CONCERN
IDENTIFIED BY HAC

- (U) Information provided by this response consolidates input from the Fleet Marine Force and from Headquarters, U.S. Marine Corps.
- (S/NF) The number of microcomputers used to process intelligence information has gone from practically zero three years ago to an estimated 100 at present. This number is expected to double within the next three years as microcomputers assume more of the administrative functions previously handled by word processing systems.
- (S/NF) Storage capability (of classified information) on magnetic media is a function of the requirement for such data and a by-product of the "computer age." It is impossible to estimate the total extent to which this trend will accelerate; it is only possible to confirm that the trend will grow dramatically in the next three years. However, it is possible to speculate the majority of growth in magnetic media storage will occur using the floppy disk or the storage unit. This is based on the fact that this type of disk drive is less expensive than hard disk, and allows considerable flexibility in "filing" of data.

II. (U) ASSESSMENT OF THE CURRENT RISKS ASSOCIATED WITH USING THESE SYSTEMS AND A GENERAL DESCRIPTION OF SECURITY MEASURES EMPLOYED TO LIMIT THE RISKS.

- (S/NF) Without an effective security system the technical risk of storage of classified material on floppy disk is high. This is due to the amount of data which can be stored (varies greatly with computer and disk used), small size of disk and short time period needed to copy a disk.
- (U) Several practical measures have been implemented to minimize this risk.
- (S/NF) All word processors and microcomputers used to process classified intelligence data are TEMPEST certified and housed in areas of limited access (Restricted areas, SCIF, etc.).
- (S/NF) All personnel who have access to these systems are properly cleared and have been granted access to the appropriate classification level.

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- (S/NF) Storage media are classified and stored in accordance with existing security regulations pertaining to the handling of classified material. This safeguard also pertains to printer and typewriter ribbons.
- (S/FN) The risk of theft and/or duplication of floppy disks as storage media is weighed against the physical security procedures adopted and the quality/trustworthiness of the personnel operating the systems. Considering the total personnel and physical security safeguards, the risk is considered very low and within acceptable limits.

**III. (U) SUMMARY OF ON-GOING EFFORTS TO REDUCE THESE RISKS
HIGHLIGHTING AND SHORTFALLS THAT NEED TO BE ADDRESSED.**

- (S/NF) The security procedures outlined will continue to receive the same high level of command attention as they do at present. It must be remembered that there is no such thing as a fool-proof security system, but we will continue to reduce risks to the lowest level possible.
- (S/NF) Funding has proven adequate thus far in providing secure operating and storage facilities for storage media.

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